

07.1–114 Adjusting injection timing (begin of delivery) with digital tester (RIV method) – following checkup

Job no. of flat rates or standard texts and flat rates data 07–8300.

Testing and adjusting value

RI-adjusting value (indirect injection timing)	–15° after TDC
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Tightening torque	Nm
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Closing plug on regulator (measuring point)	30–35
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Special tool

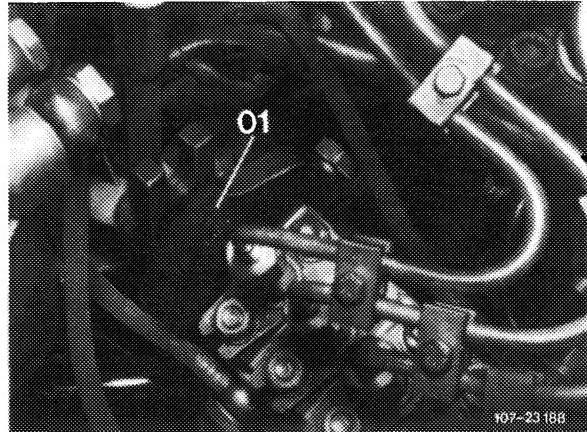
Adjusting device	 11004-12063	617 589 07 21 00
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Note

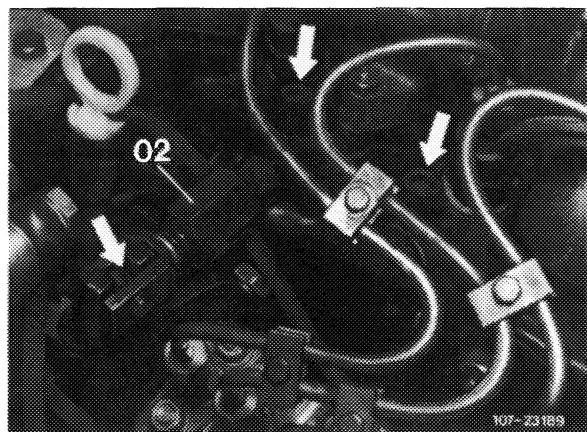
Prior to adjustment, check ignition timing (07.1–108).

Adjusting

- 1 Mount holding bracket (01) on injection pump housing.

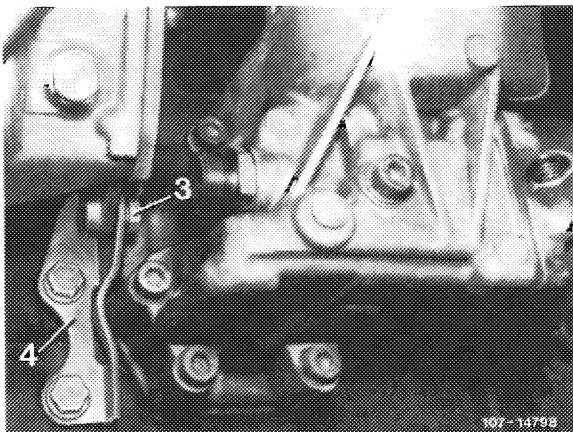


- 2 Place adjusting device (02) on cylinder head screws and holding fork (arrows).



- 3 Loosen nuts on injection pump flange as well as screws (3) on supporting bracket (4).

3 Screw
4 Supporting bracket



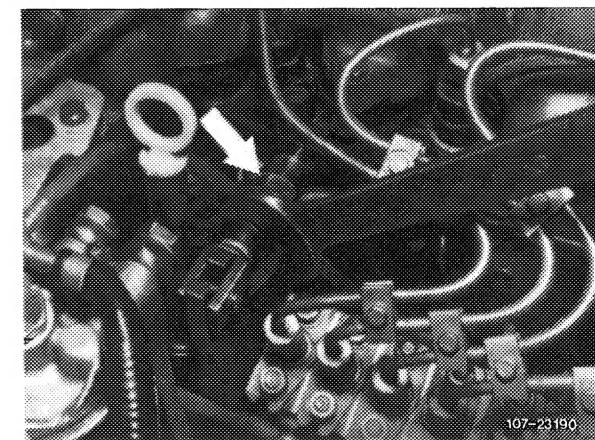
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- 4 Adjust begin of delivery at idle speed by turning hex. head screw (arrow).

RI-value: -15° after TDC.

Swivelling direction of injection pump

Toward engine = delivery begins earlier
Away from engine = delivery begins later



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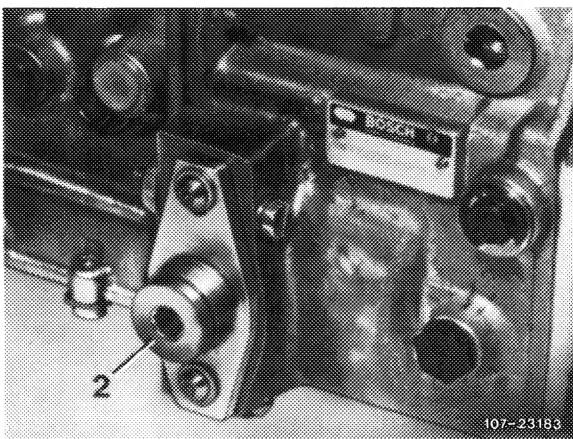
- 5 Tighten nuts and screw for injection pump. Check preset value.

- 6 Stop engine.

- 7 Disconnect tester and RI-transmitter. Screw in closing plug (2) and tighten to 30–35 Nm.

- 8 Run engine and check for leaks.

- 9 Check oil level and correct, if required.



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